

Name _____ Date _____ Per. _____

Viva Piñata - Combining Like Terms

Below are the amounts of candy the Espinoza and Lee families need for upcoming birthday piñatas.

Espinoza Family		Lee Family	
<u>4</u> Snickers (s)	<u>20</u> Jolly Ranchers (j)	<u>7</u> Snickers (s)	<u>35</u> Jolly Ranchers (j)
<u>8</u> Skittles (t)	<u>0</u> M&M's (m)	<u>4</u> Skittles (t)	<u>9</u> M&M's (m)
<u>12</u> Reese's (r)	<u>6</u> Bubblegum (b)	<u>0</u> Reese's (r)	<u>20</u> Bubblegum (b)
<u>3</u> Kit Kat (k)	<u>8</u> Milky Way (w)	<u>12</u> Kit Kat (k)	<u>3</u> Milky Way (w)
Order total: $4s + 8t + 12r + 3k + 20j + 6b + 8w$		Order total: $7s + 4t + 12k + 35j + 9m + 20b + 3w$	

Mrs. Espinoza has a Groupon for \$10 off one Piñata order. She suggested to Mrs. Lee that they **combine** their orders so Mrs. Lee could share the discount. Write their **combined** order in the space below. (The total Snickers is already done.)

Combined order total: $11s +$

Now practice by combining the orders below

1. Rodriguez family order total: $3s + 5t + 11r + 8k + 17j + 4m + 2b + 9w$

Thomas family order total: $7s + 3t + 2r + 5k + 22j + 8m + 9b + 3w$

Combined order total:

2. Ingalls family order total: $4s + 7t + 8r + 3k + 21j + 2m + 3b + 8w$

Garcia family order total: $6s + 9t + 3r + 5k + 33j + m + 11b + 4w$

Chun family order total: $2s + 4t + 2r + 8k + 19j + 7m + 14b + 2w$

Combined order total:

3. The Mrs. Martinez called in a piñata order and then Mr. Martinez called in to make some changes. (He increased some of the candy and decreased other candy.) Combine the original order and the changes to get a final order.

Original order: $5s + 7t + 9r + 3k + 22j + 6m + 18b + 7w$

Order changes: $2s - 3t + 5r - 3k - 10j - 2m + 5b - 2w$

Final order: